



Air Force Research Laboratory|AFRL

Science and Technology for Tomorrow's Air and Space Force

Success Story

AFRL SPACE VEHICLES TEAM EARNS AIAA AWARD



The American Institute of Aeronautics and Astronautics (AIAA) is the world's largest professional society devoted to the progress of engineering and science in aviation, space, and defense. The AIAA presented the Space Systems Technical Team Award to the AFRL Space Vehicles Directorate/Boeing XSS-10 team for its contributions toward microsatellite technology.



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Accomplishment

The AIAA honored AFRL's Boeing XSS-10 team for its outstanding achievements in the architecture, analysis, design, and implementation of the XSS-10 microsatellite. The XSS-10 flight demonstration successfully performed a series of on-orbit maneuvers around the second stage of the Delta II during its 20-hour mission. The team's success is the first step towards applying microsatellite technology to military space missions and paves the way for more ambitious experiments on XSS-11 and future programs.

Background

The team developed the 65 lb XSS-10, the first on-orbit experimental microsatellite, which launched aboard a Boeing Delta II rocket from Cape Canaveral Air Force Station, Florida, while working with the Air Force Space and Missile Center Detachment 12. Additional key contractor team members were Boeing Rocketdyne, Octant Technologies, Jackson and Tull, and Swales Aerospace.

Space Vehicles
Awards and Recognition

Additional information

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